

WHAT WE CLAIM IS

1. A movable body driving device comprising a rotary member rotatably supported on a supporting member and a driving means for rotating said rotary member, wherein said rotary member is engaged with a movable body, which is adapted to be movable in a certain direction, with predetermined force using elastic force of an elastic member, and said movable body is moved by rotating said rotary member.
2. A movable body driving device as claimed in claim 1, wherein a clutch means for allowing or interrupting the transmission of the rotational torque of said driving means to said rotary member is arranged between said rotary member and said driving means.
3. A movable body driving device as claimed in claim 1 or 2, wherein said supporting member comprises a first supporting member for supporting said rotary member and a second supporting member for supporting said first supporting member via said elastic member, said first supporting member is biased toward said movable body by said elastic member and said second supporting member is fixed to a fixed side.
4. A movable body driving device as claimed in claim 3, wherein said first supporting member is supported on said second supporting member in such a manner as to allow linear movement of said first

supporting member relative to said second supporting member and is biased by said elastic member in such a direction that said first supporting member approaches said movable body.

- 5 5. A movable body driving device as claimed in claim 4, wherein said first supporting member is swingably supported on said second supporting member via a supporting shaft and is biased by said elastic member in such a direction that the free end thereof approaches said movable body.
- 10 6. A movable body driving device as claimed in any one of claims 1 through 5, wherein said rotary member is a roller and is in contact with said movable body to move said movable body by frictional force between said roller and said movable body.
- 15 7. Automatic drawer equipment comprising: a drawer which can be opened and closed relative to a frame body and a drawer driving mechanism for moving said drawer in an opening direction and a closing direction.
- 20 8. Automatic drawer equipment as claimed in claim 7, wherein said drawer driving mechanism comprises a rotary member rotatably supported on a supporting member and a driving means for rotating said rotary member, wherein said rotary member is engaged with said drawer with predetermined force using elastic force of an elastic member and said drawer is moved in the opening direction and the closing direction
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by rotating said rotary member.

9. Automatic drawer equipment as claimed in claim 8,
wherein a clutch means for allowing or interrupting
the transmission of the rotational torque of said
driving means to said rotary member is arranged
between said rotary member and said driving means.

10. Automatic drawer equipment as claimed in claim 8
or 9, wherein said supporting member comprises a
first supporting member for supporting said rotary
member and a second supporting member for
supporting said first supporting member via said
elastic member, said first supporting member is
biased toward said drawer by said elastic member,
and said second supporting member is fixed to said
frame body.

11. Automatic drawer equipment as claimed in claim 10,
wherein said first supporting member is supported
on said second supporting member in such a manner
as to allow linear movement of said first supporting
member relative to said second supporting member
and is biased by said elastic member in such a
direction that said first supporting member
approaches said drawer.

12. Automatic drawer equipment as claimed in claim 11,
wherein said first supporting member is swingably
supported on said second supporting member via a
supporting shaft and is biased by said elastic
member in such a direction that the free end thereof

approaches said drawer.

13. Automatic drawer equipment as claimed in any one of claims 7 through 12, wherein said rotary member is a roller and is in contact with said drawer to move said drawer by frictional force between said roller and said drawer.

14. Automatic drawer equipment as claimed in claim 13, wherein at least surface of said roller is made of a synthetic resin material.

15. Automatic drawer equipment as claimed in claim 12 or 14, wherein a backing member for generating frictional force in connection with said roller is attached to a surface of said drawer with which said roller comes in contact.